

### ABSTRACT OF THE DISCLOSURE

The present invention provides methods for identifying polynucleotide and polypeptide sequences in human and/or non-human primates which may be associated with a physiological condition, such as cognitive or neuronal development. The methods employ comparison of human and non-human primate sequences using statistical methods. Sequences thus identified may be useful as host therapeutic targets and/or in screening assays.

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\\SWANSONBRATS01\DG\EVOLUTIONARY GENOMICS\CHIMPBRAIN\200.2CIP.DOC-DGY